

GB ENGLISH EC-DECLARATION OF CONFORMITY We declare under our sole responsibility that this product is in conformity with the regulations EN292-2: section 3 of 1992 EN292-1: section 5 of 1992 EN1050: 1993 EN792 13: 2000

E ESPANOL DECLARACION DE CONFORMIDAD "CE" Declaramos bajo nuestra sola responsabilidad que est e producto estŽ en conformidad con las regulaciones EN292-2: section 3 of 1992 EN292-1: section 5 of 1992 EN1050: 1993 EN792 13: 2000

F FRANÇAISE

DÉCLARÁTION DE CONFORMITÉ CE Nous declarons sous notre propre responsabilite que ce produit est conforme aux reglementations EN292-2: section 3 of 1992 EN292-1: section 5 of 1992 EN1050: 1993 EN792 13: 2000

Matthew & PStile

Matthew G. Popik Vice President of Engineering



Date of Manufacture:

Fecha de fabricación:, Date de fabrication:

Serial No:

Número de serie:, Nombre d'ordre

GENERAL SAFETY RULES

DANGER: When using pneumatic tools, basic safety precautions should always be followed to reduce the risk of personal injury, including the following:

READ AND FOLLOW ALL INSTRUCTIONS.

There are certain applications for which this tool was designed. Porter-Cable strongly recommends that this tool NOT be modified and/or used for any application other than for which it was designed. If you have any questions relative to its application DO NOT use the tool until you have written Porter-Cable and we have advised you.

Technical Service Manager Porter-Cable Corporation 4825 Highway 45 North Jackson, TN 38305



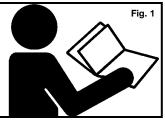
2. Operator and others in work area MUST wear safety glasses with side shields. These safety glasses must conform to ANSI Z87.1 requirements (approved glasses have "Z87" printed or stamped on them). Fig. 2.

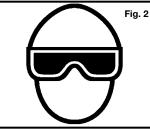
3. Keep fingers AWAY from trigger when not driving fasteners to avoid accidental firing.

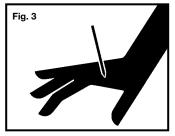
4. Choice of triggering method is important. Check manual for selectable triggering instructions. See Using the Tool with Selectable Triggering Options section of this manual.

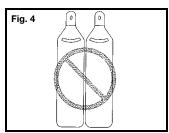
5. Never point tool at yourself or others in work area. Fig. 3

6. Never use oxygen or other bottled gasses. Explosion may occur. Never use combustible gases or any other reactive gas as a power source for this tool: explosion and serious personal injury could result. Fig. 3 & Fig. 4.









7. Wear ear protection to safe-guard against possible hearing loss. Fig. 5.

8. Use clean, dry, regulated, compressed air at 70 to 120 PSI, (4.8 to 8.3 BAR). Fig. 6.

9. Do not connect tool to pressure which potentially exceeds 200 PSI (13.7 BAR).

10. Only use air hose that is rated for a maximum working pressure of at least 150 PSI (10.3 BAR) or 150% of the maximum system pressure, which ever is greater.

11. Connect tool to air supply hose with a coupling that automatically removes all pressure from the tool when the coupling is disconnected. Fig. 7.

12. Disconnect tool from air supply hose before doing tool maintenance, clearing a jammed fastener, leaving work area, moving tool to another location, or handing the tool to another person. Fig. 7.

13. Never use a tool that is leaking air, has missing or damaged parts, or requires repair. Make sure all screws and caps are securely tightened. Fig. 8.

14. Never use tool if safety, trigger or springs are inoperable, missing or damaged. Do not alter or remove safety, trigger, or springs. Make daily inspections for free movement of trigger and safety mechanism. Fig. 8.

15. Do not use tool without safety warning label. If label is missing, damaged or unreadable, contact your Porter-Cable Service Center for a replacement. Fig. 9.

16. Only use parts, fasteners and accessories approved by Porter-Cable.

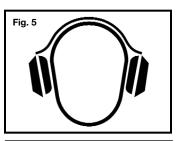
17. Connect tool to air supply before loading fasteners, to prevent a fastener from being fired during connection. The tool driving mechanism may cycle when tool is connected to the air supply. Fig. 10.

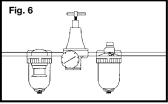
18. Always assume the tool contains fasteners. No horseplay. Respect the tool as a working implement. Fig. 11.

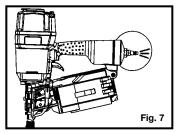
19. Operator and bystanders wear hard hat to safeguard against possible injuries. Fig. 12.

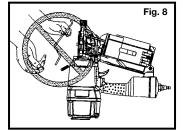
20. Do not load fasteners with trigger or safety depressed, to prevent unintentional firing of a fastener. Fig. 13

21. Remove finger from trigger when not driving fasteners. Never carry tool with finger on trigger. In "Contact Actuation Mode" tool will fire a fastener if safety is bumped while trigger is depressed. Fig. 14.

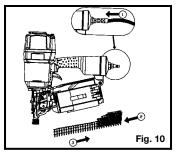


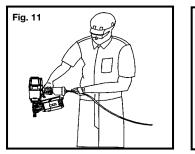


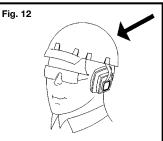












22. Do not overreach. Keep proper footing and balance at all times when using or handling the tool.

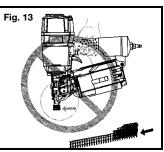
23. Fire fasteners into work surface only: never into materials too hard to penetrate. Fig. 15.

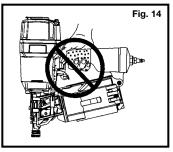
24. Grip tool firmly to maintain control while allowing tool to recoil away from work surface as fastener is driven. In "Contact Actuation Mode" if safety element is allowed to recontact work surface before trigger is released an unwanted fastener will be fired.

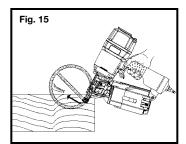
25. Do not drive fasteners on top of other fasteners, or with the tool at too steep an angle: the fasteners can ricochet causing personal injury. Fig. 15.

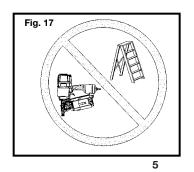
26. Do not drive fasteners close to the edge of the workpiece. The workpiece is likely to split allowing the fastener to fly free or ricochet causing personal injury. Fig. 16.

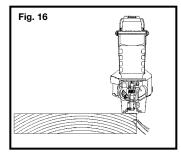
27. FOR CONTACT ACTUATION MODE ONLY, Do not use on scaffoldings or ladders or for tasks in which changing location involves the use of scaffoldings, stairs, ladders, and the like. Do not use for specific tasks such as closing boxes or crates or fitting transportation safety systems on vehicles and wagons. Fig. 17.











TECHNICAL SPECIFICATIONS

Typical Mean

effective Acceleration ... 2.54 m/s²

- power level 95.9 dBA
- P Emission sound pressure
 - pressure level 89.9 dBA

EMPLOYER'S RESPONSIBILITIES

DANGER: Employer must enforce compliance with the safety warnings and all other instructions contained in this manual.

Keep this manual available for use by all people assigned to use this tool.

For personal safety and proper operation of this tool, read and understand tool labels and manual. Failure to follow warnings could result in DEATH or SERIOUS INJURY. Read and follow all of these instructions carefully.

FUNCTIONAL DESCRIPTION

FOREWORD

Porter-Cable Model RN175 is a heavy duty, coil fed, pneumatic roofing nailer. It is designed to install .120" diameter, 15° wire collated roofing nails of various lengths from 7/8" to $1^{3}/4$ " long.

WARNING: Use approved Porter-Cable fasteners only.

POWER SOURCE

This tool is designed to operate on clean, dry, compressed air at regulated pressures between 70 and 120 PSI (Pounds per Square Inch)(4.8 to 8.3 BAR). The preferred system would include a filter, a pressure regulator, and an automatic oiler located as close to the tool as possible, within 15 ft/4.6 m is ideal.

All compressed air contains moisture and other contaminates that are detrimental to internal components of the tool. An air line filter will remove most of these contaminates and significantly prolong the life of the tool. If an in-line oiler is not available: place five or six drops of Porter-Cable Air Tool Oil into the tool's air inlet at the beginning of each workday.

The tool is equipped with a 1/4" male "quick connector". A 3/8" male "quick connector" is available from Porter-Cable and may be used in situations where a 1/4" supply line is not available. A 3/8" supply line (and fittings) are required for maximum tool performance. The tool must always be connected to the air supply with a coupling such that all pressure is removed from the tool when the coupling is disconnected.

DANGER: All air line components (hoses, connectors, filters, regulators, etc.) must have a minimum working pressure rating of at least 150 PSI (10.3 BAR) or 150% of maximum system potential, whichever is greater.

- Do not connect tool to pressure which potentially exceeds 200 PSI (13.7 BAR).
- Only connect tool to air supply hose with a coupling that automatically removes all pressure from the tool when the coupling is disconnected.
- Disconnect tool from air supply before performing maintenance, clearing a jammed fastener, leaving work area, moving tool to another location, or handing the tool to another person.



PREPARING THE TOOL

1. After reading and understanding this entire manual, connect tool to air supply (Fig. 18).

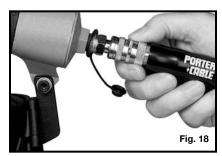
DANGER: Never point tool at yourself or others in work area.

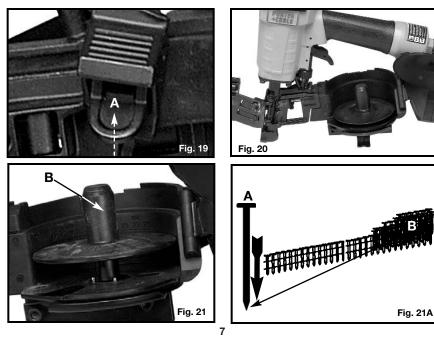
- Always connect tool to air supply before loading fasteners (Fig. 18).
- Do not load fasteners with trigger or safety depressed.
- Only use approved Porter-Cable fasteners.
- Operator and others in work area MUST wear safety glasses with side shields. Always wear ANSI Z87.1 approved safety glasses, and hearing protection when preparing or operating the tool.
- Never use a tool that is leaking air, has missing or damaged parts, or requires repair.
- 2. Lift latch (A) Fig. 19, open feeder cover and magazine cover (see Fig. 20).

3. Adjust nail support (B) Fig. 21, for desired nail length: the nail support can be lifted and rotated to three different positions that provide support for different length roofing nails. The lowest position is used for $1^{3}/4^{"}$ nails, the center position is used for $1^{1}/4^{"}$ and $1^{1}/2^{"}$ nails, and the upper position is used for $7/8^{"}$ and $1^{"}$ nails are not available for this tool.

4. Observe fastener icon (A) Fig. 21A. Insert fasteners (B) with points down. **IMPORTANT:** Fasteners must point in the same direction as they will be driven.

5. Remove retainer from a coil of roofing nails, uncoil approximately 3" of nails, and position coil onto nail support with the second nail (A) Fig. 22 in the feed fingers.

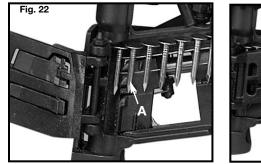


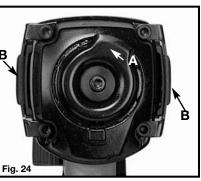


6. Close magazine cover, close and latch feeder cover (see Fig. 23).

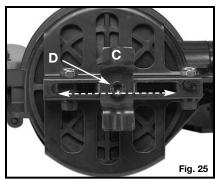
7. Adjust directional exhaust deflector (A) Fig. 24, so that the exhaust air blast will be directed away from the operator. The exhaust deflector provides seven detented positions for directing the exhaust blast away from the operator. Grasp the deflector and rotate it to the desired position for the current application. **Note:** Non-skid pads (B) Fig. 24 help keep the tool from sliding off the roof.

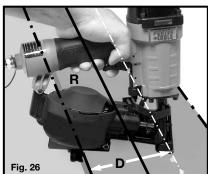
8. Adjust shingle guide (C) Fig. 25, by loosening the retaining screw (D) and sliding the shingle guide to desired position. Tighten retaining screw firmly. The shingle guide can be used as an aid in positioning the shingle to be nailed a specific distance (D) Fig. 26 from the front edge of the previous row of shingles (R) as shown.











8

OPERATING INSTRUCTIONS

USING THE TOOL WITH SELECTABLE TRIGGERING OPTIONS

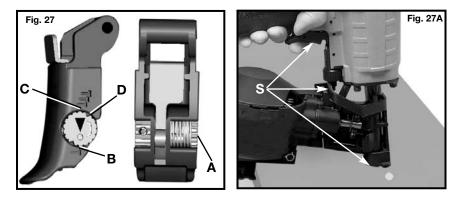
Complete all steps of PREPARING THE TOOL before using the tool.

This tool is shipped from the factory with a selectable trigger set in the **"SINGLE SEQUENTIAL ACTUATION"** firing mode as described in number 1 below. The selectable trigger can be set for the **"CONTACT ACTUATION"** firing mode as described in number 2 below;

1. To use the tool in the SINGLE SEQUENTIAL ACTUATION MODE depress trigger lever pivot pin (A) Fig. 27, rotate arrow to position (B), and release. Note: Trigger lever pivot pin is spring loaded and held in position by locking tab (D) Fig. 27 to prevent movement during operation. To fire, grip tool firmly to maintain control, position nose of tool onto work surface, push tool firmly against work surface to depress safety, and then squeeze trigger to fire a fastener, as shown at (S) Fig. 27A. This "single sequential actuation" method provides the most accurate fastener placement.

-OR-

2. To use the tool in the **CONTACT ACTUATION MODE** depress trigger lever pivot pin (A) Fig. 27, rotate arrow to position (C), and release. **Note:** Trigger lever pivot pin is spring loaded and held in position by locking tab (D) Fig. 27 to prevent movement during operation. To fire, grip tool firmly to maintain control, **squeeze and hold trigger, push tool firmly against work surface to depress contact safety and fire a fastener, as shown at (S) Fig. 27A.** Allow tool to recoil away from work surface as fastener is driven. If safety element is allowed to recontact work surface before trigger is released an unwanted fastener will be fired. The tool will fire a fastener each time the contact safety is depressed. This method is known as "**contact actuation**" and allows very fast repetitive fastener placement.



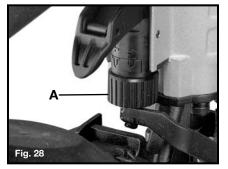
IMPORTANT: A "single sequential actuation" trigger, which will limit the tool to method number 1 only, is available free-of-charge by calling 1-800-321-9443 in the United States and Canada or 001-731-660-9374 outside the United States and Canada, and providing tool model number, type, serial number, etc. For identification purposes: the single sequential actuation trigger is red.

DANGER: Keep fingers AWAY from trigger when not driving fasteners to avoid accidental firing. Never carry tool with finger on trigger: tool will fire a fastener if safety is bumped.

- Never point tool at yourself or others in work area.
- Never attempt to drive a fastener into material that is too hard, or at too steep an angle, or near the edge of the workpiece. The fastener can ricochet causing personal injury.
- WARNING: Disconnect tool from air supply before performing maintenance, clearing a jammed fastener, leaving work area, moving tool to another location, or handing the tool to another person.
- WARNING: Clean and inspect tool daily. Carefully check for proper operation of trigger and safety mechanism. **Do Not** use the tool unless both the trigger and the safety mechanism are functional, or if the tool is leaking air or needs any other repair.

The depth to which a fastener is driven is controlled by the depth adjustment knob (A) Fig. 28. The depth of drive is factory adjusted to a nominal setting. Test fire a fastener and check depth. If a change is desired, rotate the knob (A) Fig. 28 clockwise to increase the depth of drive, rotate the knob counterclockwise to decrease the depth of drive. The adjustment knob has detents every ¹/₄ turn. Test fire another fastener and check depth. Repeat as

necessary to achieve desired results. The amount of air pressure required will vary depending on the size of the fastener and the material being fastened. Experiment with the air pressure setting to determine the lowest setting that will consistently perform the job at hand. Air pressure in excess of that required can cause premature wear and/or damage to the tool.



CLEARING A JAMMED FASTENER

1. WARNING: Disconnect tool from air supply.

2. Open feeder cover and magazine cover. Remove any remaining fasteners from the nailer.

3. Use a slender, soft steel rod to move the driver blade to its uppermost position. Use needle nose pliers to

remove the jammed fastener (see Fig. 29).

4. Follow instructions in PREPARING THE TOOL to reload fasteners.

5. Close the feeder cover, and magazine cover, and secure with the latch (See Fig. 23).



MAINTENANCE

CLEAN AND INSPECT DAILY

WARNING: Disconnect tool from air supply before cleaning and inspection. Correct all problems before placing the tool back in use.

Wipe tool clean and inspect for wear or damage. Use non-flammable cleaning solutions to wipe exterior of tool only if necessary. DO NOT SOAK tool with cleaning solutions. Such solutions can damage internal parts.

Inspect trigger and safety mechanism to assure system is complete and functional: no loose or missing parts, no binding or sticking parts.

Keep all screws tight. Loose screws can cause personal injury or damage tool.

If tool is used without an in-line oiler: place 5 or 6 drops of Porter-Cable Air Tool Oil into the air inlet of the tool at the beginning of each workday.

SERVICE AND REPAIRS

All quality tools will eventually require servicing or replacement of parts due to wear from normal use. These operations should ONLY be performed by either an AUTHORIZED PORTER-CABLE SERVICE STATION or a PORTER-CABLE•DELTA FACTORY SERVICE CENTER. All repairs made by these agencies are fully guaranteed against defective material and workmanship. We cannot guarantee repairs made or attempted by anyone other than these agencies.

Should you have any questions about your tool, feel free to write us at any time. In any communications, please give all information shown on the nameplate of your tool (model number, type, serial number, etc.).

TROUBLESHOOTING

WARNING: Disconnect tool from air supply before performing any Service Procedure.

	SYMPTOM	PROBLEMS	SOLUTIONS
1.	Air leak near top of tool or in trigger area.	Loose screws. Worn or damaged o-rings or seals.	Tighten screws. Install Overhaul Kit.
2.	Tool does nothing or operates sluggishly.	Inadequate air supply. Inadequate lubrication. Worn or damaged o-rings or seals.	Verify adequate air supply. Put 5 or 6 drops of oil into air inlet. Install Overhaul Kit.
3.	Air leak near bottom of tool.	Loose screws. Worn or damaged o-rings or bumper.	Tighten screws. Install Overhaul Kit.
4.	Tool jams frequently.	Incorrect fasteners.	Verify approved fasteners of correct size and 15° collation angle.
		Damaged fasteners. Bent collation wire.	Replace w/undamaged fasteners.
		Magazine or nose screws loose.	Tighten screws.
		Magazine is dirty. Driver tip is worn or damaged	Clean magazine. Install "DRIVER" Maintenance Kit.
5.	Other.		Contact a Porter-Cable

Service Facility.

5. Other.

ACCESSORIES

A complete line of accessories is available from your Porter-Cable•Delta Supplier, Porter-Cable•Delta Factory Service Centers, and Porter-Cable Authorized Service Stations. Please visit our Web Site <u>www.porter-cable.com</u> for a catalog or for the name of your nearest supplier.

WARNING: Since accessories, other than those offered by Porter-Cable
 Delta, have not been tested with this product, use of such accessories could be hazardous. For safest operation, only Porter-Cable
 Delta recommended accessories should be used with this product.

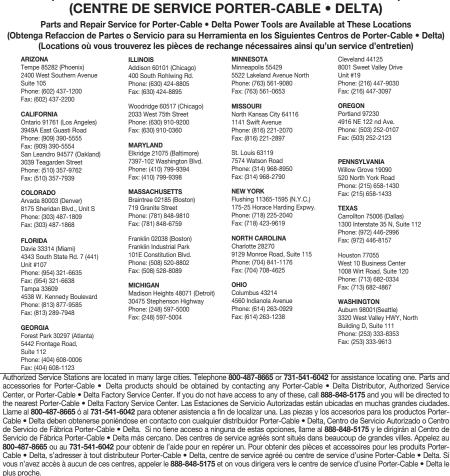
PORTER-CABLE LIMITED ONE YEAR WARRANTY

Porter-Cable warrants its nailing and stapling tools for a period of one year from the date of original purchase. We will repair or replace at our option, any part or parts of the product and accessories covered under this warranty which, after examination, proves to be defective in workmanship or material during the warranty period. For repair or replacement return the complete tool or accessory, transportation prepaid, to your nearest Porter-Cable Service Center or Authorized Service Station. Proof of purchase may be required. This warranty does not apply to O-rings and Driver Blades or to repair or replacement required due to misuse, abuse, normal wear and tear or repairs attempted or made by other than our Service Centers or Authorized Service Stations.

ANY IMPLIED WARRANTY, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, WILL LAST ONLY FOR ONE (1) YEAR FROM THE DATE OF PURCHASE.

To obtain information on warranty performance please write to: PORTER-CABLE CORPORATION, 4825 Highway 45 North, Jackson, Tennessee 38305; Attention: Product Service. THE FOREGOING OBLIGATION IS PORTER-CABLE'S SOLE LIABILITY UNDER THIS OR ANY IMPLIED WARRANTY AND UNDER NO CIRCUMSTANCES SHALL PORTER-CABLE BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES. Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

This warranty gives you specific legal rights and you may also have other legal rights which vary from state to state.



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CANADIAN PORTER-CABLE • DELTA SERVICE CENTERS

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